IN THE CLAIMS

Claim 1 (Currently Amended): Sizing composition for insulation products based on mineral wool, especially glass or rock wool, comprising an epoxy resin of the a glycidyl ether, type and an amine hardener, characterized in that it furthermore and further includes an accelerator chosen-selected from imidazoles, imidazolines and mixtures thereof.

Claim 2 (Currently Amended): Composition The composition according to Claim 2 Claim 1, eharacterized in that the wherein an accelerator is selected from imidazole, 1-methylimidazole, 2-methylimidazole, 2-phenylimidazole, 2-ethyl-4-methyl-imidazole, 4,4' —methylenebis (2-ethyl-5-methylimidazole) or 2-ethyl-N-phenylimidazoline.

Claim 3 (Currently Amended): Composition The composition according to Claim 1 or 2Claim 1, characterized in that wherein the epoxy resin is obtained prepared by the reaction of epichlorohydrin with an alcohol, preferably a polyol.

Claim 4 (Currently Amended): Composition The composition according to one of Claims 1 to 3Claim 1, characterized in that wherein the resin has an EEW (Epoxy Equivalent Weight) of between 150 and 2000, preferably between 160 and 700 and better still at most equal to 300.

Claim 5 (Currently Amended): Composition The composition according to one of Claims 1 to 4 Claim 1, characterized in that wherein the epoxy resin has a water dilutability, at 20°C, of at least 500%, preferably 1000%.

Claims 1 to 5Claim 1, characterized in that wherein the hardener is chosen selected from aliphatic polyamines, such as diethylenetriamine (DETA), triethylenetetramine (TETA), tetraethylene-pentamine, (TEPA) and polyglycoldiamines, cycloaliphatic polyamines, such as 1,3bis (aminomethyl) cyclohexane, 4,4-diaminocyclohexylmethane, methylenediamine and 2,4-diaminocyclohexanol, and aromatic polyamines, such as m-phenylenediamine, m-xylylenediamine, diethyltoluenediamine, diaminodiphenylsulphone and dicyandiamine.

Claim 7 (Currently Amended): Composition The composition according to one of Claims 1 to 6 Claim 1, characterized in that it contains wherein the accelerator is in an amount of 0.1 to 5 parts by weight of dry matter per 100 parts by weight of dry matter of epoxy resin/hardener.

Claim 8 (Currently Amended): Composition The composition according to one of Claims 1 to 7 Claim 1, characterized in that wherein the hardener has an amine equivalent weight/H ratio of 20 to 300.

Claim 9 (Currently Amended): Composition The composition according to one of Claims 1 to 8 Claim 1, characterized in that it furthermore which includes the following additives, per 100 parts by weight of dry matter of resin/hardener:

- 0 to 2 parts, preferably around 0.5 part, of a coupling agent such as a silane;
- 0 to 20 parts, preferably 6 to 15 parts, of an oil.

Claim 10 (Currently Amended): <u>Process A process</u> for manufacturing a thermal and/or acoustic insulation product, based on mineral wool, in which comprising the steps of:

Docket No. 290716US0PCT Preliminary Amendment

- a) <u>forming mineral fibres are formed formed are from a molten mineral</u> composition;
- b) <u>spraying a sizing composition according to one of Claims 1 to 10 is</u>

 <u>sprayed Claim 1 onto the fibres obtained at a);</u>
- c) collecting the fibres are collected in the form of a sheet; and
- d) <u>subjecting</u> the sheet is <u>subjected</u> to a heat treatment at a temperature below about 260°C, preferably around 220 to 240°C.

Claim 11 (Currently Amended): Process according to claim 10, eharacterized in that the wherein an accelerator is mixed with the other constituents of the size before being sprayed spraying onto the fibres.

Claim 12 (Currently Amended): <u>Process-The process</u> according to Claim 10, <u>characterized in that the wherein an accelerator is applied separately from the spraying of the</u> other constituents of the size onto the fibres.

Claim 13 (Currently Amended): Thermal A thermal and/or acoustic insulation product based on mineral wool, especially glass or rock wool, provided prepared with a sizing composition according to one of Claims 1 to 9Claim 1.

Claim 14 (Currently Amended): Product The insulation product according to

Claim 13, characterized in that wherein the total weight of cured binder represents is from 0.5

to 15%, preferably 1 to 12% of the total weight of mineral fibres.

Claim 15 (Currently Amended): Product The insulation product according to Claim 13 or 14 Claim 13, characterized in that it furthermore which includes a veil of mineral fibres, especially glass fibres, having a weight of between 10 and 300 g/m², placed on at least one of the external faces of the said product and in that the said veil comprises at least 1% by weight of cured binder obtained from the sizing composition. according to one of Claims 1 to 9.

Claim 16 (Currently Amended): Use of A method using the sizing composition according to one of Claims 1 to 9 Claim 1 for improving the mechanical strength after ageing, especially in a wet environment, of insulation products based on mineral wool.

Claim 17 (Currently Amended): Use according to The method of Claim 15, characterized in that wherein the wool is glass wool or rock wool.

Claim 18 (New): The composition of Claim 4 wherein the EEW has maximum value of 300.